

6/15 #7



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/082,815

DATE: 08/14/2002

TIME: 13:55:43

Input Set : A:\27911003007.txt.txt

Output Set: N:\CRF4\08142002\J082815.raw

4 <110> APPLICANT: Jenson, James C.
5 Sworin, Michael
7 <120> TITLE OF INVENTION: INHIBITORS OF BINDING BETWEEN PROTEINS
8 AND MACROMOLECULAR LIGANDS
11 <130> FILE REFERENCE: 2791.1003-007
13 <140> CURRENT APPLICATION NUMBER: 10/082,815
C--> 14 <141> CURRENT FILING DATE: 2002-08-09
16 <150> PRIOR APPLICATION NUMBER: PCT/US00/23346
17 <151> PRIOR FILING DATE: 2000-08-23
19 <150> PRIOR APPLICATION NUMBER: 60/150,230
20 <151> PRIOR FILING DATE: 1999-08-23
22 <150> PRIOR APPLICATION NUMBER: 60/150,318
23 <151> PRIOR FILING DATE: 1999-08-23
25 <150> PRIOR APPLICATION NUMBER: 60/152,421
26 <151> PRIOR FILING DATE: 1999-09-03
28 <160> NUMBER OF SEQ ID NOS: 22
30 <170> SOFTWARE: FastSEQ for Windows Version 4.0
32 <210> SEQ ID NO: 1
33 <211> LENGTH: 12
34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Fragment of Monocyte Chemoattractant Protein-1
40 <400> SEQUENCE: 1
41 Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln
42 1 5 10
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 12
47 <212> TYPE: PRT
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Fragment of Monocyte Chemoattractant Protein-1
53 <400> SEQUENCE: 2
54 Glu Ile Cys Leu Asp Pro Lys Gln Lys Trp Ile Gln
55 1 5 10
58 <210> SEQ ID NO: 3
59 <211> LENGTH: 24
60 <212> TYPE: PRT
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Fragment of Monocyte Chemoattractant Protein-1
66 <400> SEQUENCE: 3
67 Ala Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser

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68 1 5 10 15
69 Tyr Arg Arg Ile Thr Ser Ser Lys
70 20
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 26
75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Disulfide cyclized fragments of Monocyte
80 Chemoattractant Protein-1
82 Disulfide bond between cysteines at positions 2
83 and 26
85 <400> SEQUENCE: 4
86 Ala Cys Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu Ala
87 1 5 10 15
88 Ser Tyr Arg Arg Ile Thr Ser Ser Lys Cys
89 20 25
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 23
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Disulfide Cyclized Fragments of Monocyte
99 Chemoattractant Protein-1
101 Disulfide bond between cysteines at positions 2
102 and 21; an dpositions 10 and 13.
104 <400> SEQUENCE: 5
105 Tyr Cys Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr
106 1 5 10 15
107 Arg Arg Ile Thr Cys Ser Lys
108 20
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 35
113 <212> TYPE: PRT
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: N-terminus fragment of the Monocyte
118 Chemoattractant Protein-1 Receptor CCR2 .
122 <400> SEQUENCE: 6
123 Leu Ser Thr Ser Arg Ser Arg Phe Ile Arg Asn Thr Asn Glu Ser Gly
124 1 5 10 15
125 Glu Glu Val Thr Thr Phe Phe Asp Tyr Asp Tyr Gly Ala Pro Cys His
126 20 25 30
127 Lys Phe Asp
128 35
131 <210> SEQ ID NO: 7
132 <211> LENGTH: 14
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial Sequence

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136 <220> FEATURE:
137 <223> OTHER INFORMATION: N-terminus fragment of the Monocyte
138 Chemoattractant Protein-1 Receptor CCR2.
140 One or both tyrosines at positions 8 and 10 are
141 optionally phosphorylated or sulfated.
143 <400> SEQUENCE: 7
144 Glu Val Thr Thr Phe Phe Asp Tyr Asp Tyr Gly Ala Pro Cys
145 1 5 10
148 <210> SEQ ID NO: 8
149 <211> LENGTH: 15
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Fragment of viral chemokine US28.
156 The tyrosine at position 8 is optionally
157 phosphorylated or sulfated.
159 <400> SEQUENCE: 8
160 Glu Leu Thr Thr Glu Phe Asp Tyr Asp Asp Glu Ala Thr Pro Cys
161 1 5 10 15
164 <210> SEQ ID NO: 9
165 <211> LENGTH: 9
166 <212> TYPE: PRT
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Fragment of the Interleukin-8 Receptor CXCR1
172 <400> SEQUENCE: 9
173 Pro Pro Ala Asp Glu Asp Tyr Ser Pro
174 1 5
177 <210> SEQ ID NO: 10
178 <211> LENGTH: 23
179 <212> TYPE: PRT
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Fragment of Monocyte Chemoattractant Protein-1
185 <400> SEQUENCE: 10
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187 1 5 10 15
188 Arg Arg Ile Thr Ser Ser Lys
189 20
192 <210> SEQ ID NO: 11
193 <211> LENGTH: 23
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Disulfide cycled fragment of Monocyte
199 Chemoattractant Protein-1
201 Disulfide bond between cysteines at positions 10
202 and 13.
204 <400> SEQUENCE: 11

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205 Tyr Asn Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr
206 1 5 10 15
207 Arg Arg Ile Thr Ser Ser Lys
208 20
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212 <211> LENGTH: 23
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte
218 Chemoattractant Protein-1
220 Disulfide bond between cysteines at positions 10
221 and 18.
223 <400> SEQUENCE: 12
224 Tyr Asn Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Leu Ala Ser Cys
225 1 5 10 15
226 Arg Arg Ile Thr Ser Ser Lys
227 20
230 <210> SEQ ID NO: 13
231 <211> LENGTH: 23
232 <212> TYPE: PRT
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Fragment of Monocyte Chemoattractant Protein-1
238 <400> SEQUENCE: 13
239 Tyr Asn Phe Lys Asn Arg Lys Glu Ser Val Gln Arg Leu Ala Ser Tyr
240 1 5 10 15
241 Arg Arg Ile Thr Ser Ser Lys
242 20
245 <210> SEQ ID NO: 14
246 <211> LENGTH: 23
247 <212> TYPE: PRT
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte
252 Chemoattractant Protein-1
254 Disulfide bond between cysteines at positions 2
255 and 21.
257 <400> SEQUENCE: 14
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259 1 5 10 15
260 Arg Arg Ile Thr Cys Ser Lys
261 20
264 <210> SEQ ID NO: 15
265 <211> LENGTH: 23
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte

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271 Chemoattractant Protein-1
273 Disulfide bond between cysteines at positions 2
274 and 21; and positions 10 and 16.
276 <400> SEQUENCE: 15
277 Tyr Cys Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Leu Ala Ser Cys
278 1 5 10 15
279 Arg Arg Ile Thr Cys Ser Lys
280 20
283 <210> SEQ ID NO: 16
284 <211> LENGTH: 19
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte
290 Chemoattractant Protein-1
292 Disulfide bond between cysteines at positions 6
293 and 9.
295 <400> SEQUENCE: 16
296 Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr Arg Arg Ile Thr
297 1 5 10 15
298 Ser Ser Lys
302 <210> SEQ ID NO: 17
303 <211> LENGTH: 18
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte
309 Chemoattractant Protein-1
311 Disulfide bond between cysteines at positions 10
312 and 13.
314 <400> SEQUENCE: 17
315 Tyr Asn Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr
316 1 5 10 15
317 Arg Arg
321 <210> SEQ ID NO: 18
322 <211> LENGTH: 14
323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte
328 Chemoattractant Protein-1
330 Disulfide bond between cysteines at positions 4
331 and 9.
333 <400> SEQUENCE: 18
334 Asn Arg Lys Cys Ser Val Gln Arg Cys Ala Ser Tyr Arg Arg
335 1 5 10
338 <210> SEQ ID NO: 19
339 <211> LENGTH: 14
340 <212> TYPE: PRT

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/082,815

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Input Set : A:\27911003007.txt.txt

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date